

# Priority Projects for Puget Sound Restoration through NOAA Economic Stimulus Funding

Sponsor	Project Name	Location (watershed / county)	Description	Amount Requested
Northwest Straits Marine Conservation Foundation	Derelict Gear	Puget Sound / San Juan, Island, Whatcom, Skagit, Snohomish, King, Pierce, Thurston, Mason, Clallam, Jefferson, and Kitsap counties	Remove derelict fishing gear from marine habitats of Puget Sound; Restore benthic habitat; eliminate a direct source of mortality to salmon and other marine species by removing derelict fishing nets from marine waters	\$4,776,055
Puget Sound Restoration Fund	On-the-ground Recovery of Pinto abalone, Olympia oysters and Bull kelp in Puget Sound	Puget Sound (WRIAs 2,11,13,14,15, 18) San Juan, Pierce, Thurston, Mason, Kitsap, and Clallam counties	Produce healthy, genetically diverse animals and plants for outplanting, and increase densities in the wild to stabilize and then build viable populations for the future.	\$1,680,850
Nooksack Salmon Enhancement Association	South Fork Nooksack River and Tributaries Restoration Project	Nooksack Watershed / Whatcom County	Fish passage to 2.4 miles of upstream habitat; restored instream habitat along 3900 feet of stream channel; revegetation of 128 acres of riparian habitat; and improved salmonid productivity	\$540,000

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Lummi Nation	Smuggler's Slough	Nooksack Watershed / Whatcom County	Reconnect Lummi and Nooksack River through the historic floodway of Smuggler's Slough. Project will initiate in-water work to enhance wetlands in preparation for levee and dike breaches	\$1,740,023
The Nature Conservancy	Fisher Slough Freshwater Tidal Marsh Restoration	Skagit Watershed / Skagit County	Install self-regulating floodgate, re-route a drainage canal, build setback levee, remove existing levee and restore marsh habitat features to restore stream and tidal processes and fish access to 60-acre site on the S. Fork Skagit River. Benefits will also include improved drainage and decreased flooding on surrounding farmland.	\$5,900,000
Seattle Public Utilities	Lower Tolt River Floodplain Reconnection Project	Snohomish Watershed / King County	Restore 40 acres of floodplain at the mouth of the Tolt River. Plant native riparian plants on other Tolt River Seattle-owned properties.	\$1,000,000

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Tulalip Tribes	Qwuloolt Estuary Restoration Project	Snohomish Watershed / Snohomish County	Restore 340 acres of estuarine tidal marsh. Specific project elements to be paid for from this source include ditch fill, tidal channel excavation, and other topographic relief (berms), culvert removal and road demolition, other site preparation activities, erosion controls and riparian planting.	\$4,142,413
City of Issaquah	Issaquah Integrated Fish Passage	Lake Washington/ Cedar/ Sammamish Watershed / King County	Dam removal to restore unhindered adult fish passage of Chinook, coho, and other salmon to 10 miles of high quality upstream habitat and provide channel connectivity for other aquatic species. Remove Issaquah Fish Hatchery Intake Dam and replace with series of boulder weir structures and a new screened water intake structure located in a fish-passable channel constriction. The current 1930's-era, 11-foot high dam was constructed to provide water supply to the Issaquah Salmon Hatchery but blocks passage to a majority of adult salmon due to a poorly designed and functioning fish ladder. Concrete slab at base of dam also contributes to salmon mortality.	\$3,200,000

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King County	Big Spring/Newaukum Stream and Wetland Restoration	Green/ Duwamish Watershed King County	Relocate 2,800 lineal feet of Big Spring Creek from agricultural and roadside ditches to historic floodplain location. Restore floodplain functions and habitat in 80 acres of surrounding wetland currently dominated by Reed Canary grass. Benefits Green River fall Chinook salmon by sustaining inputs of cold, clear water from a perennial spring. Project is located on public land and existing conservation easements.	\$2,588,356
Duck's Unlimited	Nisqually Estuary Restoration	Nisqually Watershed / Thurston County	Restore 762 acres of salt marsh habitat. This is the highest priority restoration action in the Nisqually Basin, the largest marsh restoration project in Puget Sound, and will increase South Puget Sound salt marsh area by 50%.	\$6,800,000
Nisqually Indian Tribe	Mashel Eatonville Restoration Phase 2	Nisqually Watershed / Pierce County	This 2nd Phase of the project will continue the effort and built upon the very successful Phase 1 restoration project, which was completed within the same reach of the river in 2007. The main focus of this project will be the construction of	\$1,170,000

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			11 additional log structures to the 13 already built in Phase 1 to provide salmon habitat. These structures have shown to increase pool habitat, increase stable and high quality spawning habitat, increase floodplain connections and decrease bank erosion and mass wasting. This project will also continue the protection of riparian habitat, through purchases of easements and fee simple acquisitions in addition to reforestation of several acres. This phase will also capitalize on bank protection project that is underway by the WA DOT and the Tribe, which includes the installation of 6, log structures to stop bank erosion and provide fish habitat. Combining the two efforts will expedite the permit process, bring cost savings, and result in a total of 17 new structures for 2009.	

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City of Olympia	Ellis Creek Fish Passage	Deschutes Watershed / Thurston County	Total replacement of a fish-barrier culvert at the mouth of a productive salmon stream with intact and protected upstream riparian areas. State WRIA 13 has prioritized the project with partial funding from the Salmon Recovery Funding Board and City of Olympia.	\$1,500,000
Mason County	McLane Cove Estuary Reconnection	Kennedy/ Goldsborough Watersheds / Mason County	Remove existing blocking culvert restoring natural tidal flow into a small 1.5 acres pocket estuary. Fish use includes: Coho; resident and coastal cutthroat trout. When reconnection occurs, forage and refuge provided for ESA-listed Puget Sound Chinook and winter Steelhead. Partners include: local WRIA 14 salmon habitat recovery Lead Entity Committee; Washington State Salmon Recovery Funding Board. Potential revegetation of the site by Mason County jail trustees. Project designs 100%, construction bid documents being prepared, all permits have been received.	\$525,000

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Kitsap County	Chico Creek Instream Restoration	West Sound Watersheds / Kitsap County	Remove weirs blocking fish passage and restores habitat and floodplain for approximately 540 linear feet of creek. Also restores habitat and floodplain for approximately 200 linear feet of creek and provides bank stabilization downstream	\$1,975,000
Kitsap County	Carpenter Creek Estuary Restoration	West Sound Watersheds / Kitsap County	This project will restore over 30 acres of undeveloped habitat of the Carpenter Creek estuary, by removal of a tidal-restricting, undersized culvert at South Kingston Road. The project will increase natural tidal hydrologic fluctuations (inundation and frequency) in sufficient quantities to restore and enhance the following functional ecosystem processes and habitats: Intertidal mudflats and salt marsh habitat (estuarine reclamation through culvert removal) Nearshore sediment delivery and transport (consistent and lasting sediment supply, spawning substrate, beach nourishment) Barrier-free fish passage	\$2,702,522

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			(Carpenter Creek is a key Puget Sound sub estuary for spawning habitat and for juvenile salmonid smolt outmigration to the Pacific Ocean) Eelgrass and microalgae beds (refuge from predation and nursery areas for important Puget Sound fin fish and food webs for invertebrate species) Marine riparian and tidal-freshwater forests (fish and wildlife habitat, pollution control, microclimate, water quality anti-degradation, soil stability and erosion control, nutrient, detrital, macroinvertebrate and other terrestrial inputs) Reduction of watershed/estuary/shoreline fragmentation (habitat benefits to Puget Sound Chinook, steelhead trout, and other important and/or listed fish species – coho, chum, sea-run cutthroat) Protection of prey base, salmon feeding areas for state and federally endangered Orca Whales	



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Hood Canal Salmon Enhancement Group	Little Quilcene River Delta	Hood Canal Watersheds / Jefferson County	Remove approximately 8 acres of aggraded delta cone; Stream channel restoration of 1,800 feet; functional link between freshwater and saltwater physical processes; instream complexity via placement of wood enhancements in 1 mile of stream	\$1,111,732
Mason Conservation District	Regional Riparian Successional Strategy Implementation	Hood Canal Watersheds / Clallam, Jefferson, Mason, and Kitsap Counties	Inventory and removal of invasive species along anadromous streams in four counties: Clallam, Jefferson, Mason, and Kitsap	\$1,238,000

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Skokomish Tribe	Skokomish Estuary	Hood Canal Watersheds / Mason County	Restore 214 acres of intertidal estuary and 2.42 miles of tidal river shorelines: obliterate levees, borrow ditches, and tidegates on Skokomish Estuary Island	\$1,752,078
Lower Elwha Klallam Tribe	Elwha Floodplain Bundled Package	North Olympic Peninsula Watersheds / Clallam County	Lower Elwha hatchery outfall & berm removal, Griff Creek culvert replacement, revegetation, exotic species removal, Elwha ELJ's	\$2,739,000
Clallam Conservation District	Dungeness River Streamflow Improvement	North Olympic Peninsula Watersheds / Clallam County	Approximately 13 miles of open irrigation canals will be replaced with buried pipelines to save an estimated 6 cubic feet per second (1,850 ac-ft/yr) of Dungeness River flows.	\$2,940,000
<b>TOTAL AMOUNT REQUESTED</b>				<b>\$50,021,029</b>